

TIP PROJECT NO. U-5302

U.S. 401 /FAYETTEVILLE ROAD, TOWN OF GARNER

Briefing for Garner Town Council

Aug. 16, 2018

AECOM: Len Hill, len.hill@aecom.com

NCDOT: John Braxton, jwbraxton@ncdot.gov

<https://www.ncdot.gov/news/public-meetings>



Proposed Improvement

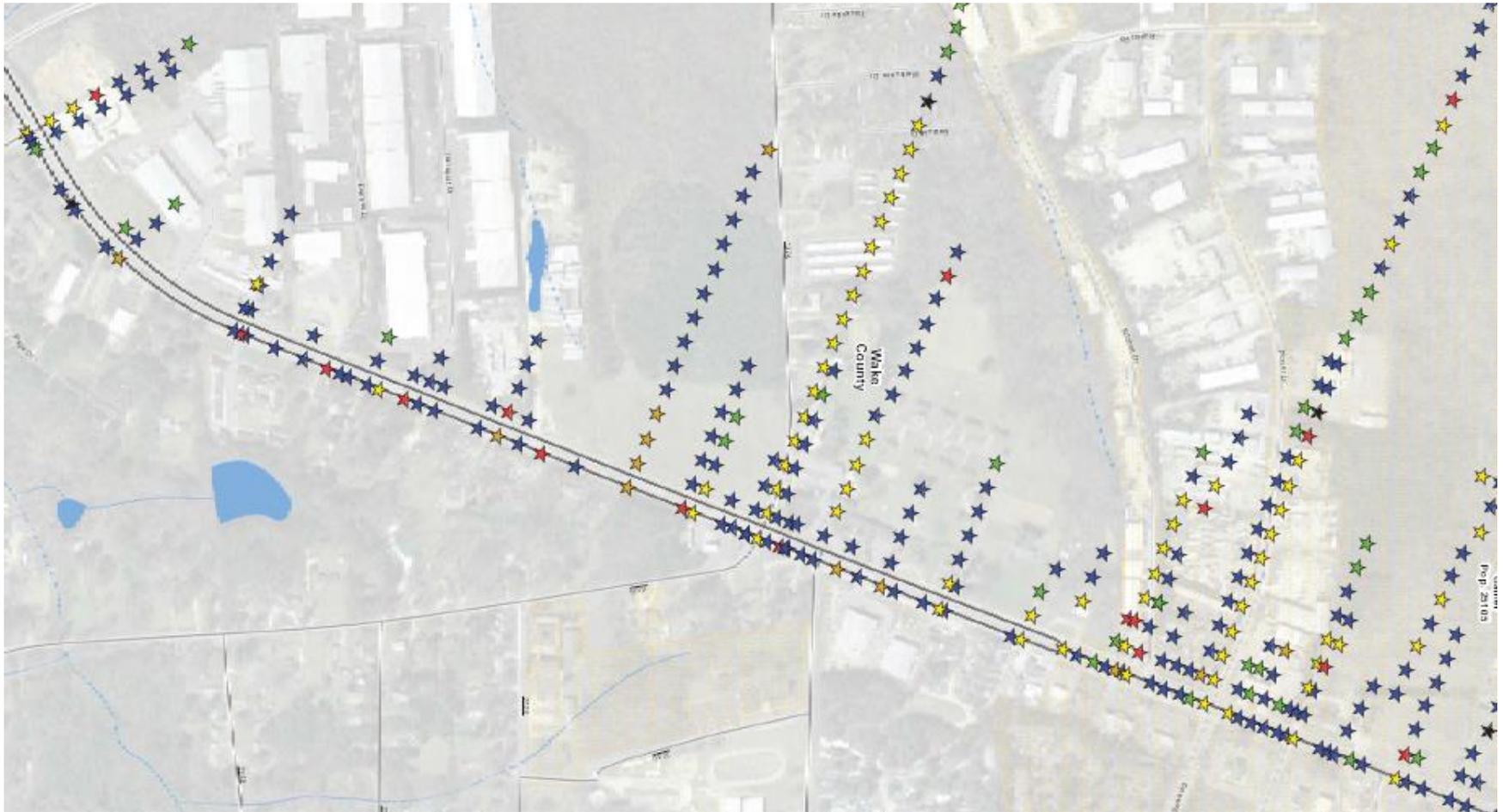
Build a Synchronized Street

- Ease congestion
- Reduce the number of crashes
- Provide safer pedestrian crossings



Project Need

Each star represents an accident in a 5-year period ending 2016 (366 accidents in total)



Project Timeline and Costs



\$ 850,000 for Right of Way acquisition

\$ 13.2 Million for construction

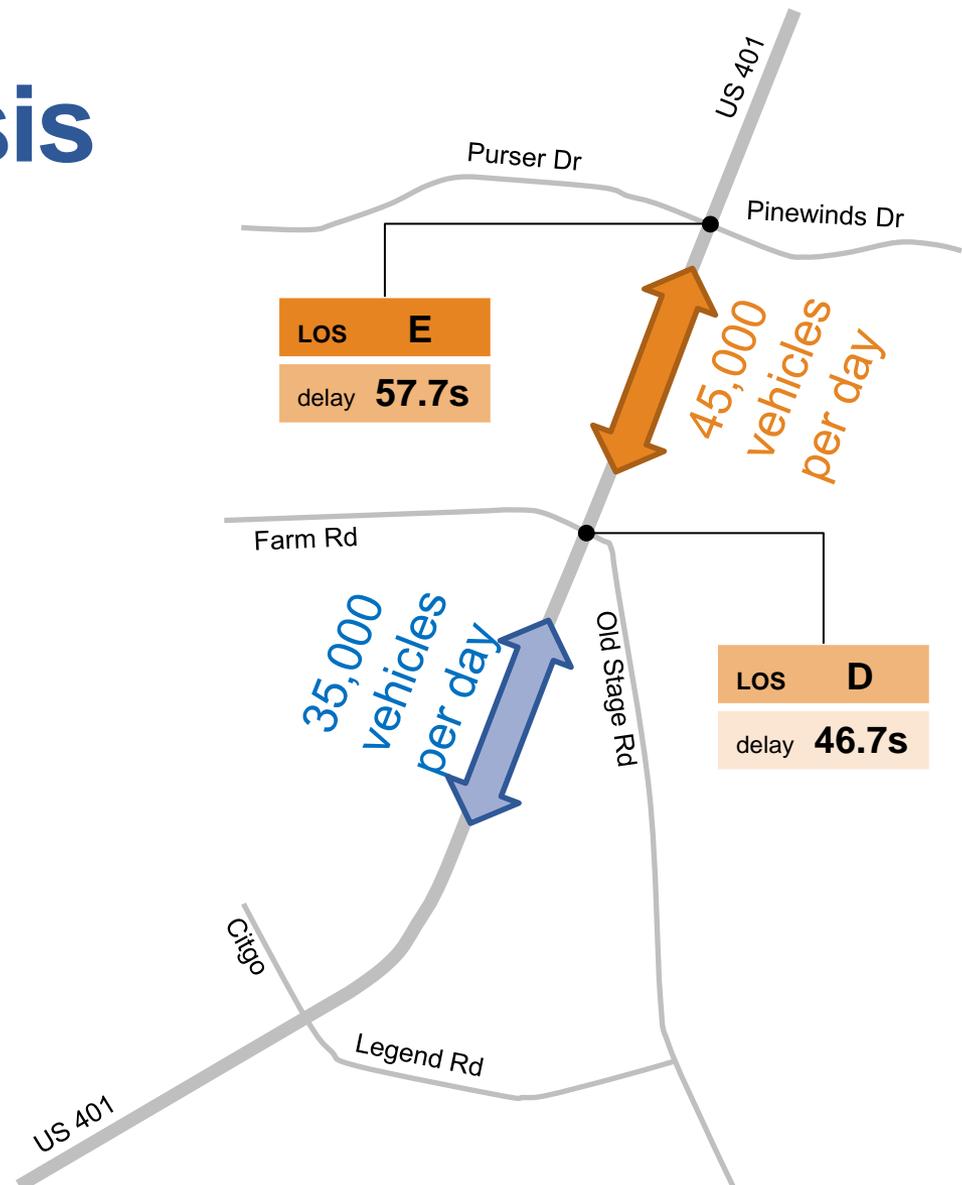
\$ 14 Million TOTAL



Capacity Analysis

2015 Existing Conditions

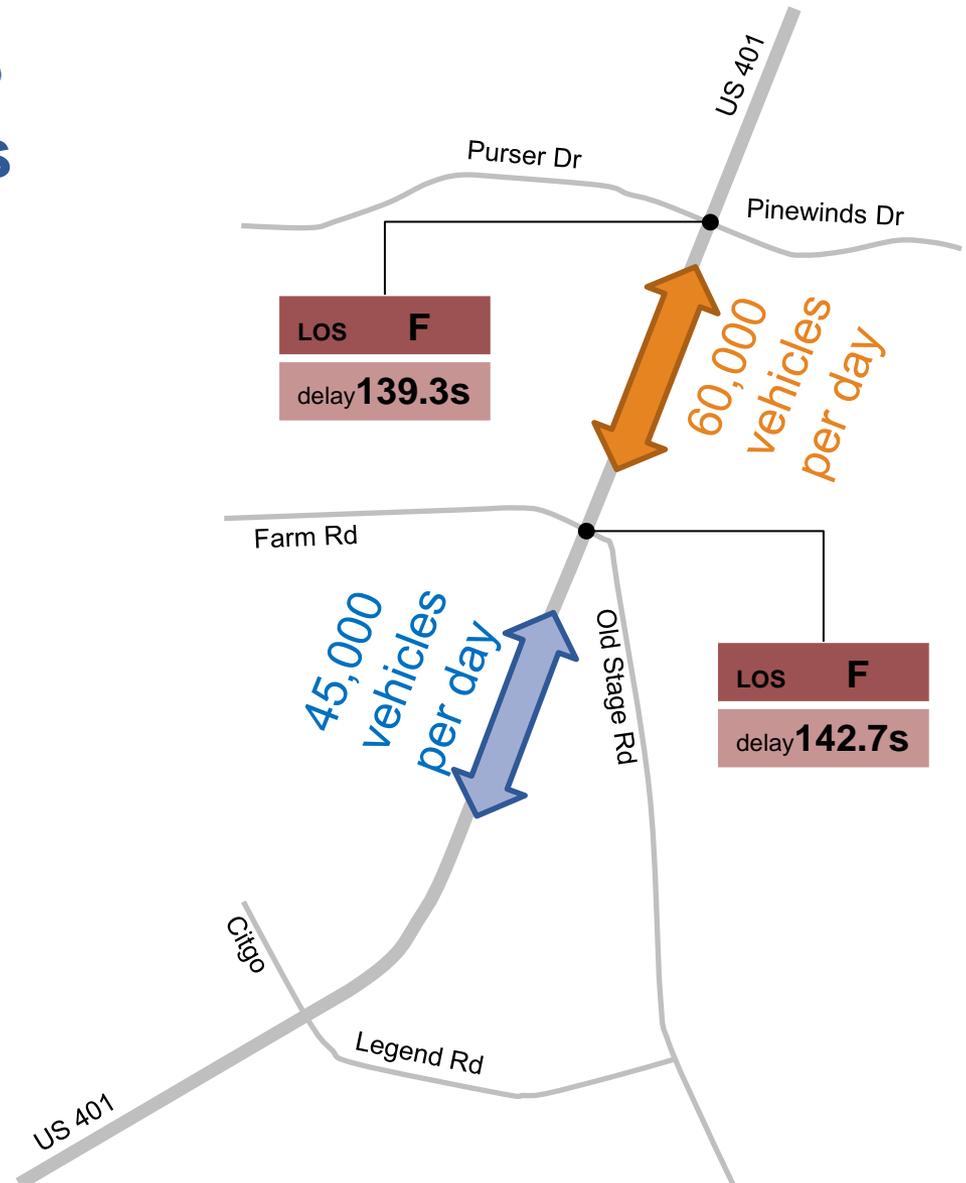
LOS	Traffic Flow Conditions	Delay (seconds)
A	Represents unrestricted maneuverability and operating speeds and most vehicles do not stop at all	0-10
B	Represents reduced maneuverability and operating speeds	10-20
C	Represents restricted maneuverability and operating speeds closer to the speed limit	20-35
D	Represents restricted maneuverability and low operating speeds (typically considered acceptable in developed urban areas)	35-55
E	Represents operating conditions at or near the capacity level	55-80
F	Represents breakdown conditions characterized by stop and go travel	> 80



Capacity Analysis

2040 No-Build Conditions

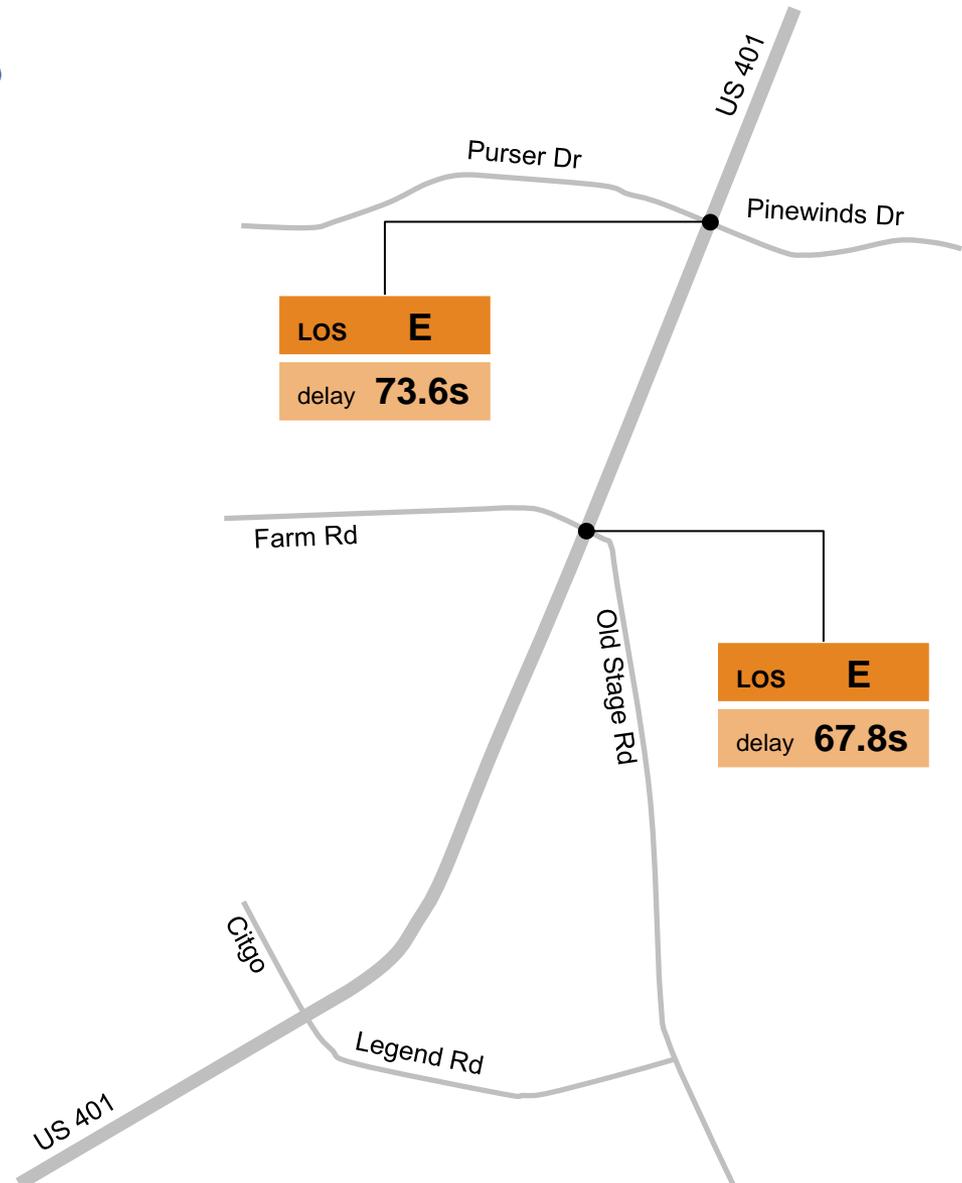
LOS	Traffic Flow Conditions	Delay (seconds)
A	Represents unrestricted maneuverability and operating speeds and most vehicles do not stop at all	0-10
B	Represents reduced maneuverability and operating speeds	10-20
C	Represents restricted maneuverability and operating speeds closer to the speed limit	20-35
D	Represents restricted maneuverability and low operating speeds (typically considered acceptable in developed urban areas)	35-55
E	Represents operating conditions at or near the capacity level	55-80
F	Represents breakdown conditions characterized by stop and go travel	> 80



Capacity Analysis

2040 Build Conditions

LOS	Traffic Flow Conditions	Delay (seconds)
A	Represents unrestricted maneuverability and operating speeds and most vehicles do not stop at all	0-10
B	Represents reduced maneuverability and operating speeds	10-20
C	Represents restricted maneuverability and operating speeds closer to the speed limit	20-35
D	Represents restricted maneuverability and low operating speeds (typically considered acceptable in developed urban areas)	35-55
E	Represents operating conditions at or near the capacity level	55-80
F	Represents breakdown conditions characterized by stop and go travel	> 80



Project Area

- 1.2 miles of US 401 (Fayetteville Road)
- From south of Old Stage Road (S.R. 1006) to south of Mechanical Boulevard (S.R. 1006)
- Proposed: Synchronized Street intersection improvements for two intersections
 1. Old Stage Road
 2. Purser Drive/Pinewinds Drive



Functional Design

- Additional Consideration: Pedestrian Traffic
- Cross connections will be provided where pedestrian facilities currently exist
- Any existing sidewalk impacted by the project will be replaced



NC 55
Bypass



What's happening tonight?

Public Meeting

Aug. 16, 2018
5:00 – 7:00 P.M.

Ernest Myatt
Presbyterian Church
4926 Fayetteville
Road, Raleigh

2018 Public Involvement Plan

- Public Materials
 - (1) Postcard to 420+ property owners about project
 - (2) U.S. 401 Fact Sheet
 - (3) Map of project area
- Public Outreach
 - Public Meeting
 - Public notice 8/3/18
 - NCDOT website, continuously
 - News release 8/13/18)
 - NCDOT Hotline
- <https://www.ncdot.gov/news/public-meetings>

